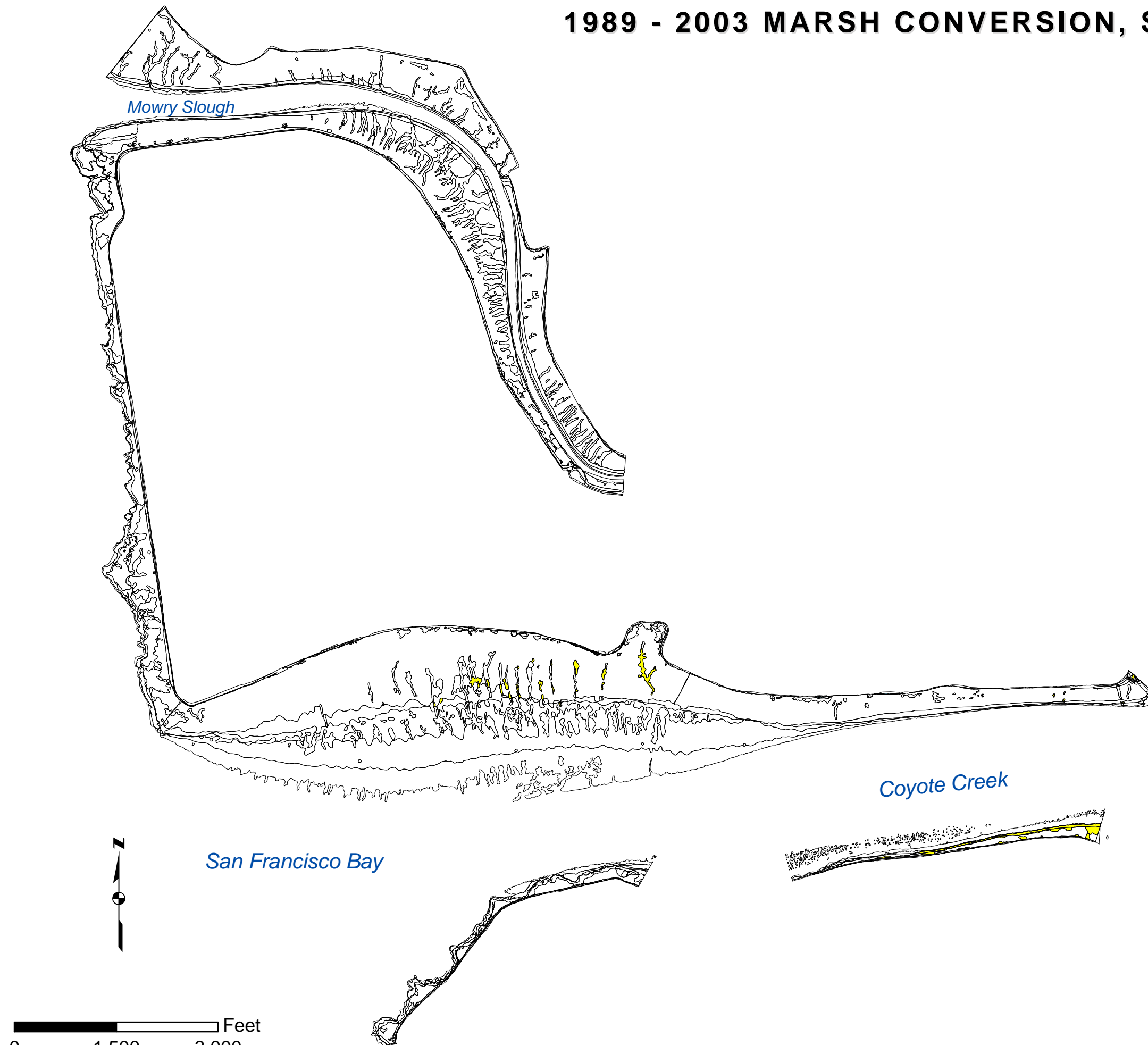


APPENDIX C.
1989/2003 SPATIAL ANALYSIS MAPS

1989 - 2003 MARSH CONVERSION, SOUTH SAN FRANCISCO BAY LOWER REACH SEGMENTS HABITATS

SEGMENTS 1, 2, 3, 4, 8, 22 and 23

- Salt Marsh Converted to Brackish Marsh
- Brackish Marsh Converted to Salt Marsh



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1989 - 2003 Marsh Conversion By Reach

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Figure C1

1989 - 2003 MARSH CONVERSION, SOUTH SAN FRANCISCO BAY

TRANSITION SEGMENTS HABITATS SPECIES

SEGMENTS 5, 9, 10, 11, 14 and 20

-  Salt Marsh Converted to Brackish Marsh
-  Brackish Marsh Converted to Salt Marsh



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Figure C2

1989 - 2003 MARSH CONVERSION, SOUTH SAN FRANCISCO BAY

UPPER REACH SEGMENTS DOMINANT HABITATS

SEGMENTS 12, 13, 15, 16, 17, 18, 19 and 21



-  Salt Marsh Converted to Brackish Marsh
-  Salt Marsh Converted to Fresh Marsh
-  Brackish Marsh Converted to Salt Marsh
-  Brackish Marsh Converted to Fresh Marsh



0 1,500 3,000 Feet



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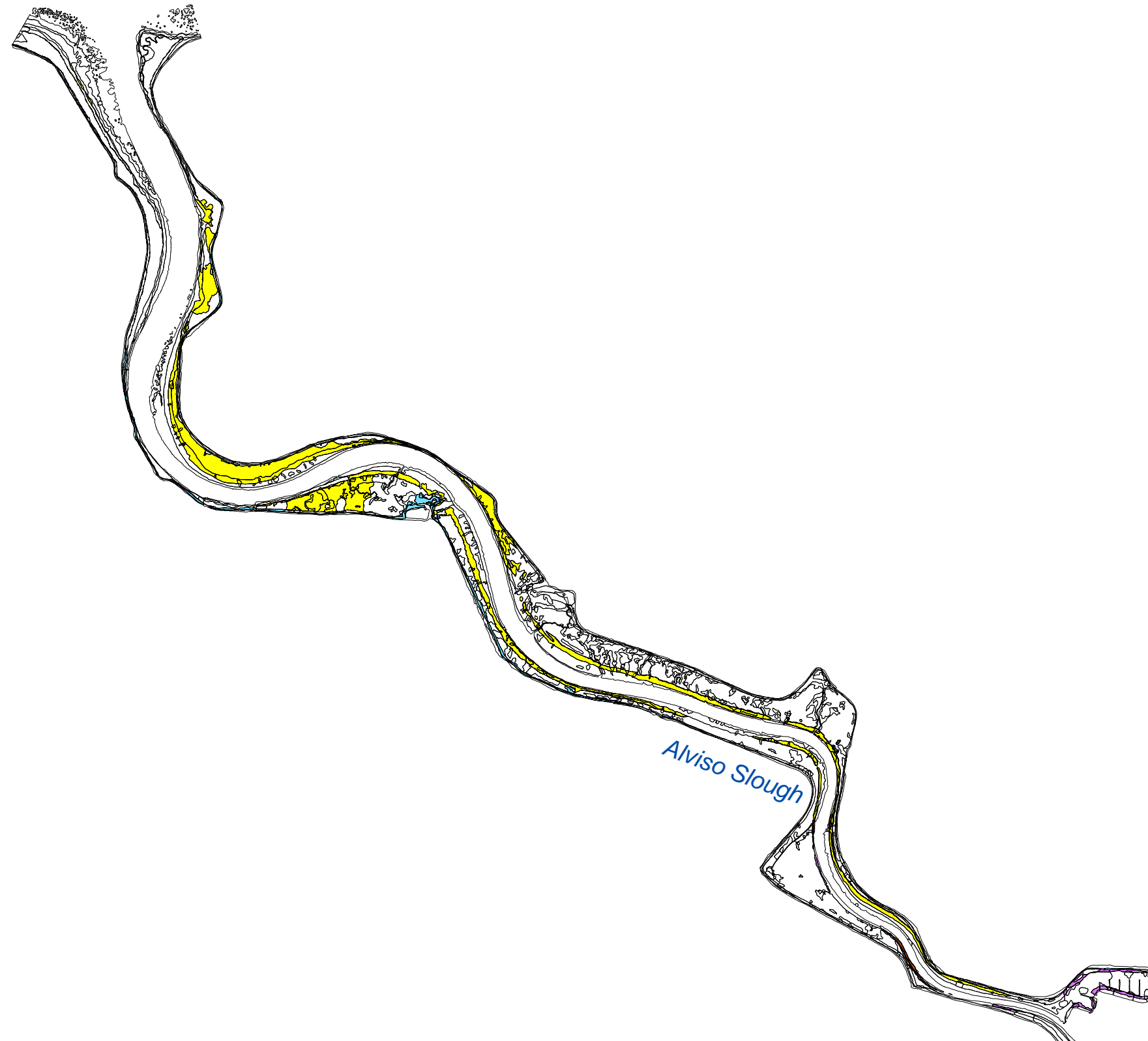
Figure C3

1989 - 2003 MARSH CONVERSION, SOUTH SAN FRANCISCO BAY

ALVISO SLOUGH SEGMENTS HABITATS

SEGMENTS 28, 29 and 30

-  Salt Marsh Converted to Brackish Marsh
-  Brackish Marsh Converted to Salt Marsh
-  Saline Marsh Converted to Fresh Marsh
-  Brackish Marsh Converted to Fresh Marsh
-  Fresh Marsh Converted to Brackish Marsh



0 1,500 3,000 Feet



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1989 - 2003 Marsh Conversion By Reach

File No. **477-25**

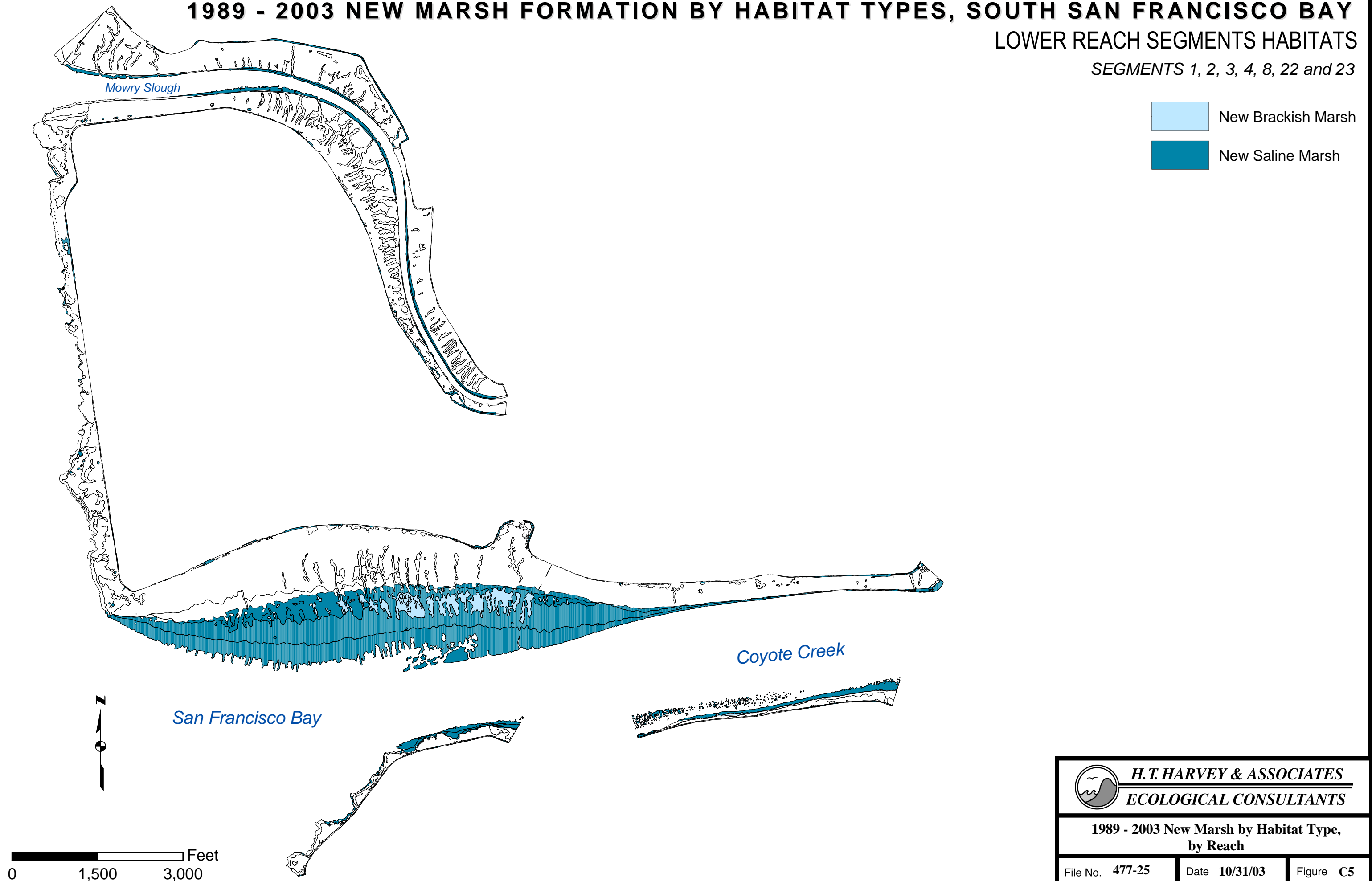
Date **10/31/03**

Figure **C4**

1989 - 2003 NEW MARSH FORMATION BY HABITAT TYPES, SOUTH SAN FRANCISCO BAY

LOWER REACH SEGMENTS HABITATS

SEGMENTS 1, 2, 3, 4, 8, 22 and 23



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**1989 - 2003 New Marsh by Habitat Type,
by Reach**



File No. 477-25

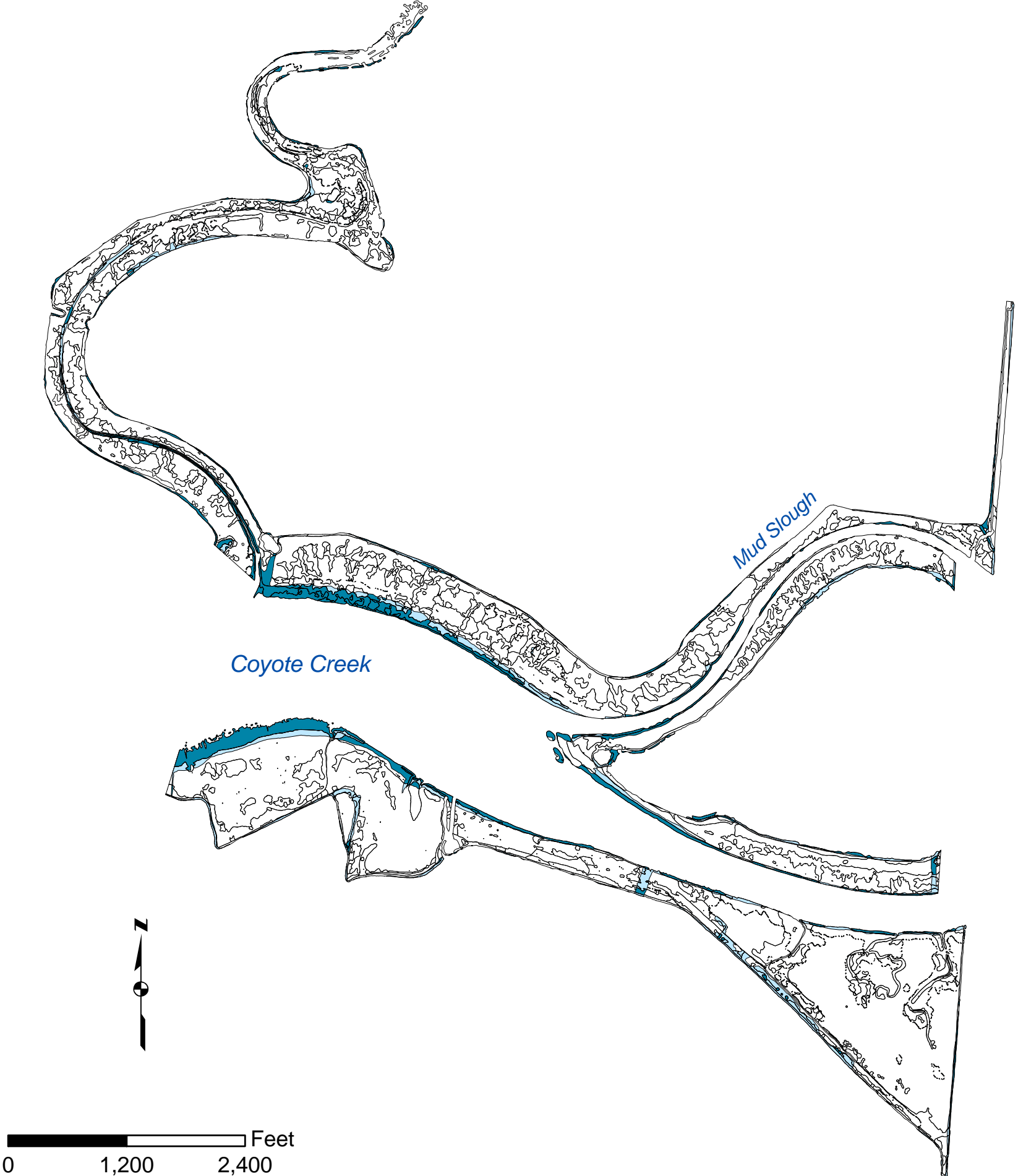
Date 10/31/03

Figure C5

1989 - 2003 NEW MARSH FORMATION BY HABITAT TYPES, SOUTH SAN FRANCISCO BAY
TRANSITION SEGMENTS HABITATS SPECIES

SEGMENTS 5, 9, 10, 11, 14 and 20

-  New Brackish Marsh
-  New Saline Marsh



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

**1989 - 2003 New Marsh by Habitat Type,
by Reach**

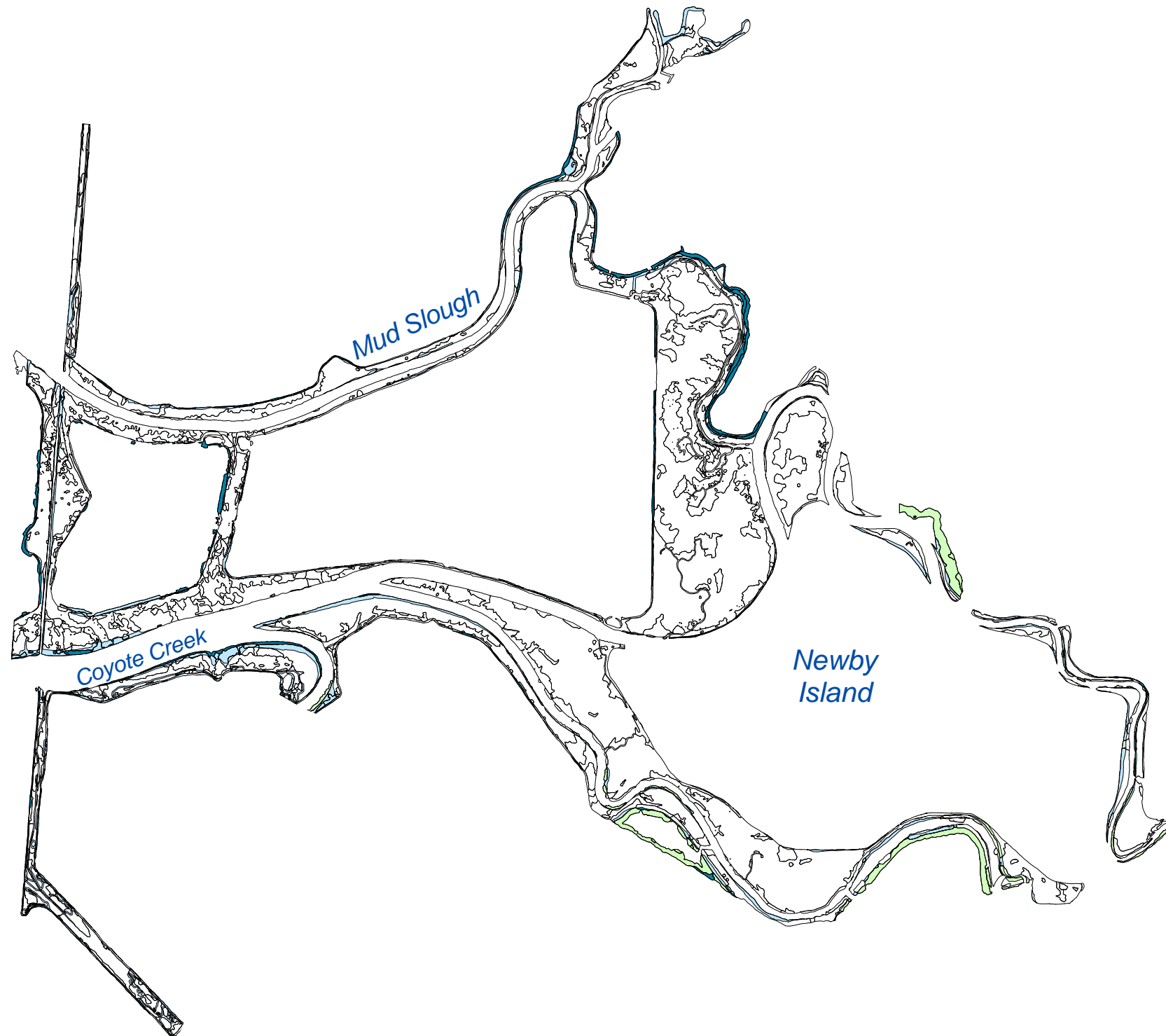
File No. 477-25	Date 10/31/03	Figure C6
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1989 - 2003 NEW MARSH FORMATION BY HABITAT TYPES, SOUTH SAN FRANCISCO BAY

UPPER REACH SEGMENTS HABITATS SPECIES

SEGMENTS 12, 13, 15, 16, 17, 18, 19 and 21

-  New Fresh Marsh
-  New Brackish Marsh
-  New Salt Marsh



0 1,500 3,000 Feet



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**1989 - 2003 New Marsh by Habitat Type,
by Reach**

File No. 477-25




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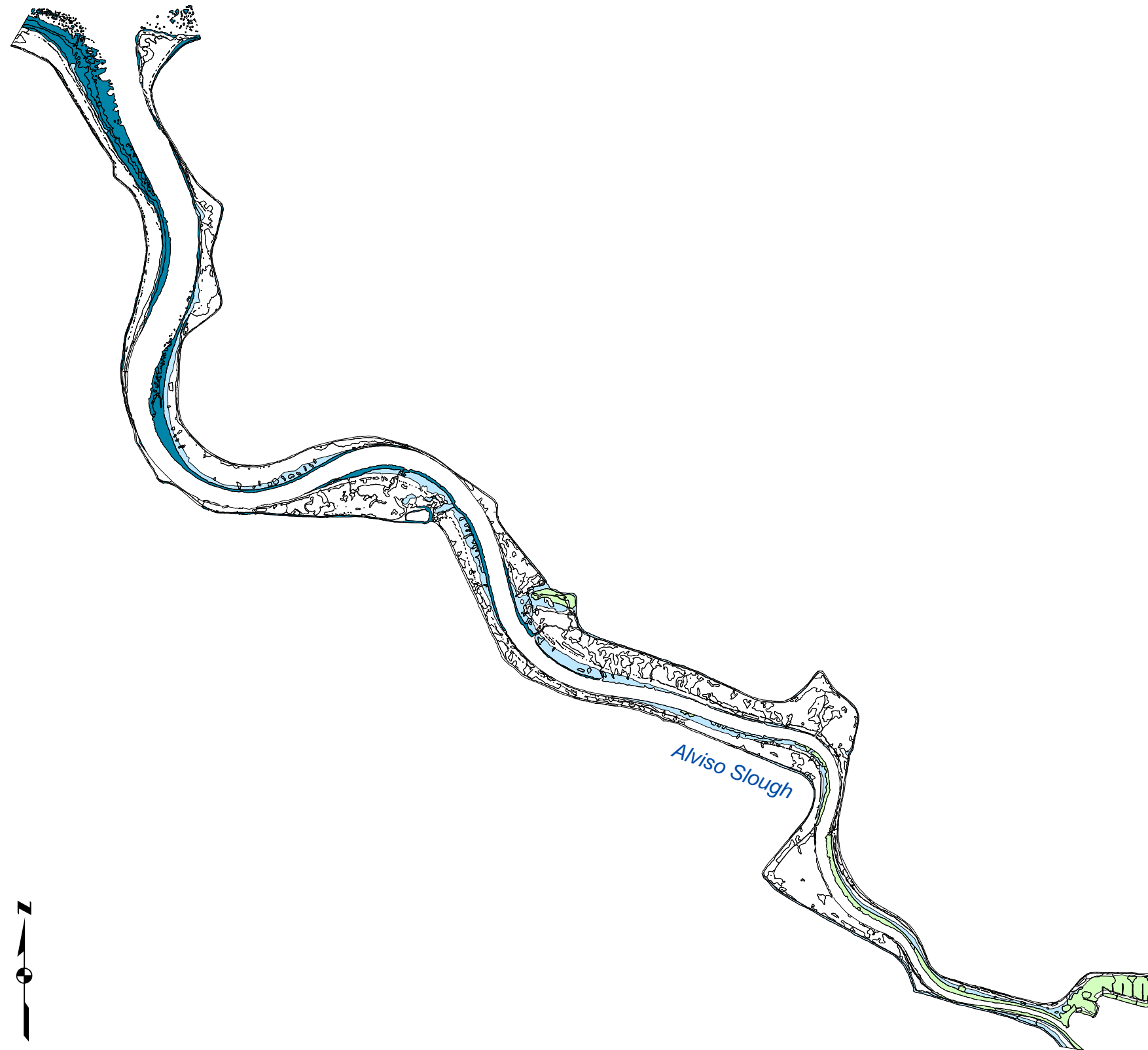
Figure C7

1989 - 2003 NEW MARSH FORMATION BY HABITAT TYPES, SOUTH SAN FRANCISCO BAY

ALVISO SLOUGH SEGMENTS HABITATS

SEGMENTS 28, 29 and 30

-  New Fresh Marsh
-  New Brackish Marsh
-  New Salt Marsh



0 1,500 3,000 Feet



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**1989 - 2003 New Marsh by Habitat Type,
by Reach**

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Figure C8